

## CLAIMS

1. A data recording method for recording, onto a recording medium, AV data and postrecording data in  
5 synchronization with the AV data,

on the recording medium, a plurality of user programs using an identical scene in the AV data being producible, and the postrecording data being referable from a plurality of user programs, and

10 the data recording method comprising the step of recording, onto the recording medium, management information that manages a relationship between a user program and postrecording data.

15 2. The data recording method as defined in claim 1, wherein, the postrecording data is a partial area in an area including a postrecording data group which is referred to from more than one type of user programs, the area including the postrecording data group being recorded as one postrecording  
20 file, and

for each piece of postrecording data, the management information is recorded in a management information file whose quantity is one in each original program.

25 3. The data recording method as defined in claim 1,

wherein,

the postrecording data is recorded as a postrecording file,  
for each postrecording data group being referred to from one  
user program, and

5           the management information is recorded for each  
postrecording file and in a management information file  
whose quantity is one for a plurality of original programs.

10           4. The data recording method as defined in claim 1,  
wherein,

the postrecording data is recorded as a postrecording file,  
for each postrecording data group being referred to from one  
user program, and

15           the management information is recorded for each  
postrecording file and in a management information file  
whose quantity is one for each original program.

20           5. The data recording method as defined in claim 1,  
wherein, the management information includes information of  
how many times the postrecording data is referred to from a  
plurality of user programs.

25           6. The data recording method as defined in claim 1,  
wherein, the management information includes a name of a  
user program referring to the postrecording data.

7. The data recording method as defined in claim 1,  
wherein, the management information includes information of  
in what range of the postrecording data a user program refers  
to.

8. A data recording apparatus that records, onto a  
recording medium, AV data and postrecording data in  
synchronization with the AV data,

on the recording medium, a plurality of user programs  
using an identical scene in the AV data being producible, and  
the postrecording data being referable from a plurality of user  
programs, and

management information that manages how a user  
program and postrecording data refer to one another being  
recorded onto the recording medium.

9. A data recording medium on which AV data and  
postrecording data in synchronization with the AV data are  
recorded,

a plurality of user programs, which are produced using  
an identical scene of the AV data recorded on the recording  
medium, being recorded in such a manner as to be capable of  
referring to one postrecording data, and

management information, which manages how a user

program and postrecording data refer to one another, being recorded.